

Practice test mark scheme Foundation

Q	Expected answers	Marks	Additional guidance
1	a nitrogen (1)	1	All 4 correct: (2) 2 or 3 correct: (1)
	b		
	different crops	intensive organic <input type="checkbox"/> <input checked="" type="checkbox"/>	
	herbicide	<input checked="" type="checkbox"/> <input type="checkbox"/>	
	manure	<input type="checkbox"/> <input checked="" type="checkbox"/>	
	synthetic fertilizer	<input checked="" type="checkbox"/> <input type="checkbox"/>	2
		3	
2	a 10 (1)	1	
	b		
	● more girls than boys eat breakfast cereals less than once a week (1);		
	● more boys than girls eat breakfast cereals once a day (1)	2	
	c		
i glucose (1)	1		
ii to make soluble compounds that can be absorbed into the blood (1)	1		
d			
i there is a rapid rise in the blood sugar level (1)	1		
ii diabetes (1)	1		
		7	
3	a		
	● toxic chemicals used as herbicides by farmers may remain in the food (1);		
	● toxic chemicals may be formed in the food during food processing (1)	2	
b plasticizers (1)	1		
c eat only organic food (1)	1		
		4	
4	a essential for the functioning of healthy cells (1); essential for nerve and muscle function (1)	1	either point
	b increased blood pressure (1); heart disease (1); asthma (1); stomach cancer (1)	2	Any two
	c processed food contains a lot of salt / it's already in the food when you buy it / people don't read the labels (1)	1	
	d		
● completely stop adding salt to food / add no salt to food (1)	2		
● try alternative flavourings / try herbs and spices (1)			
		6	
Total		20	

Practice test mark scheme Higher

Q	Expected answers	Marks	Additional guidance
1	a pancreas (1)	1	
	b a diet rich in sugar (1)	1	
	c <ul style="list-style-type: none"> ● eating a diet low in sugar (1); ● taking exercise (1) 	2	
		4	
2	a i <ul style="list-style-type: none"> ● phosphorus (1) ● potassium (1) 	2	
	ii <ul style="list-style-type: none"> ● when a crop is harvested, elements absorbed by the plants are taken away and not returned to the soil (1); ● as more grain is produced, more of the elements are absorbed from the soil and have to be replaced (1) 	2	
	b <ul style="list-style-type: none"> ● use of herbicides (1); ● use of genetically modified crops (1) 	1 1	
		6	
3	a <ul style="list-style-type: none"> ● toxic chemicals used as herbicides by farmers may remain in the food (1); ● toxic chemicals may be formed in the food during food processing (1) 	2	
	b <ul style="list-style-type: none"> ● toxic chemicals leach out from packaging (1); ● toxic chemicals enter the food from mould growing on it (1) 	2	
		4	
4	a men are bigger / have more mass / eat more (1)	1	
	b processed food contains a lot of salt / it's already in the food when you buy it / people don't read the labels (1)	1	
	c <ul style="list-style-type: none"> ● benefit: body needs some salt (1); food tastes poor with no salt at all (1) ● risk: excess salt is a health risk (1); most people eat too much salt (1); should minimise the risk by reducing salt intake as much as possible (1) 	2	One point for benefit, one for risk recognised to be greater than benefit in typical diet
	d <ul style="list-style-type: none"> ● completely stop adding salt to food / add no salt to food (1) ● try alternative flavourings / try herbs and spices (1) 	2	
		6	
Total		20	